Electronic Version
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POWER CONTROL METHOD OF A PICK-UP HEAD OF AN OPTICAL DISK DRIVE

Abstract

An optical disk drive has a pick-up head for generating a laser beam to record data on an optical disk and for detecting corresponding power of the laser beam, and a power control unit for adjusting power of the laser beam generated by the pick-up head. The power control method includes inputting a plurality of first control signals into the power control unit in order so that the power control unit generates a plurality of first control voltages related to the first control signals for sequentially driving the pick-up head to output a plurality of first test powers, and using the plurality of first test powers and the plurality of first control signals to establish a first mapping function. The optical disk drive uses the first mapping function to get a first predetermined output power and a corresponding first predetermined control signal according to the first mapping function.